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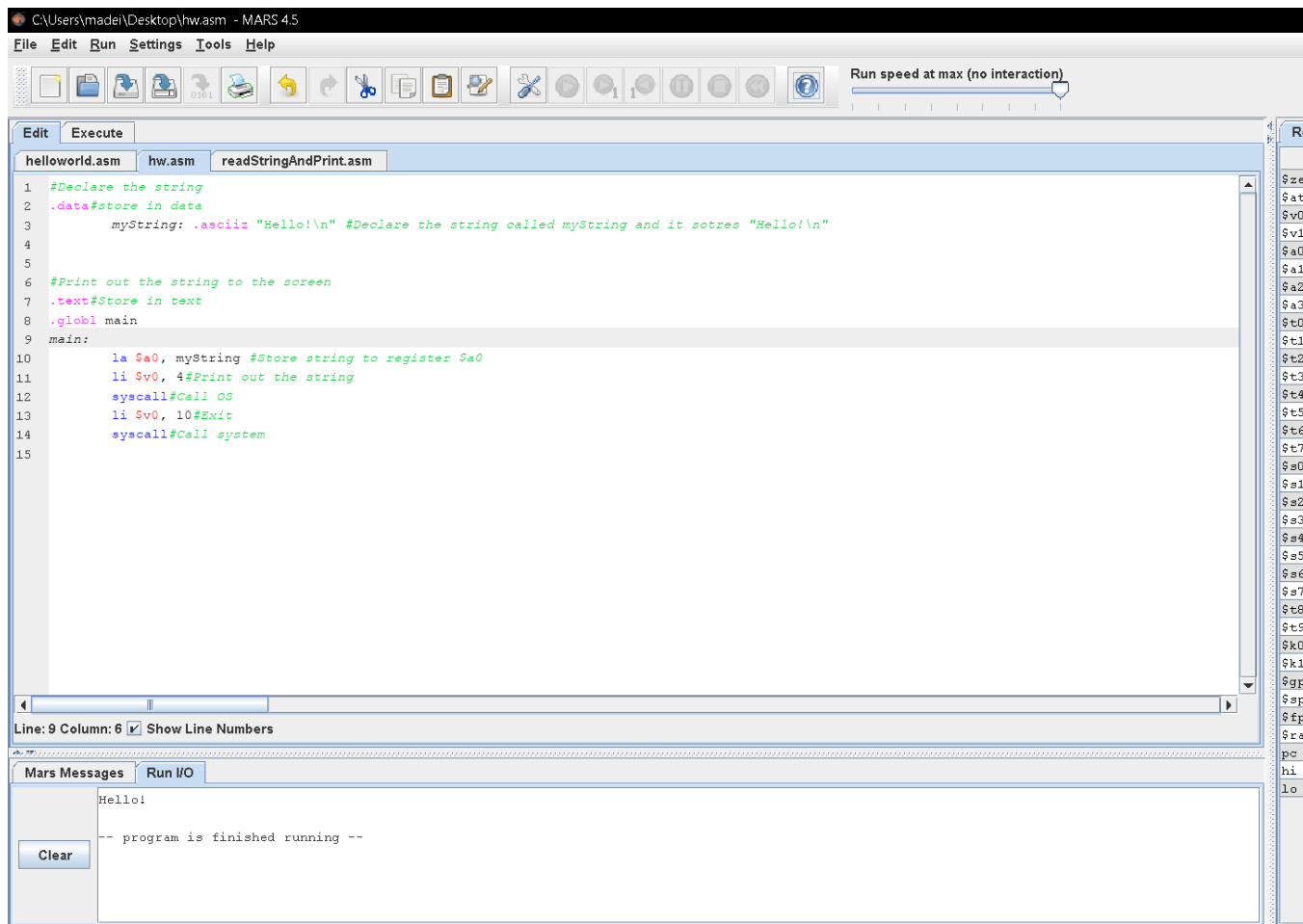
1/19/2019

HW2

1.

a. +12: 0000 0000 0000 0000 000 0000 0000 1100

b. -12: 1111 1111 1111 1111 1111 1111 1111 0100



C:\Users\madei\Desktop\hw.asm - MARS 4.5

File Edit Run Settings Tools Help

Run speed at max (no interaction)

Edit Execute

helloworld.asm hw.asm readStringAndPrint.asm

```
1  #Declare the string
2  .data#store in data
3      myString: .asciiz "Hello!\n" #Declare the string called myString and it sotres "Hello!\n"
4
5
6  #Print out the string to the screen
7  .text#Store in text
8  .globl main
9  main:
10     la $a0, myString #Store string to register $a0
11     li $v0, 4#Print out the string
12     syscall#Call OS
13     li $v0, 10#Exit
14     syscall#Call system
15
```

Line: 9 Column: 6 ☒ Show Line Numbers

Mars Messages Run I/O

Hello!

-- program is finished running --

Clear

2.

3.

a. s1: 1111 1111 1111 1111 1111 1111 1111 1111 (-1)

b. s1: 1111 1111 1111 1111 1111 1111 1111 1111 (4294967295)